IN THE CLAIMS:

Please amend claims 1-3, 5, 6 as follows:

1. (Amended) A real-time test system comprising at least one reservoir and at least

    one photomultiplier detector; said reservoir comprising monoclonal anti-insulin or

    anti-C peptide capture antibodies solidified in said reservoir, and said reservoir

    capable of receiving a sample, a wash solution, and labeled monoclonal anti-

    insulin or anti-C peptide antibodies useful as a tracer, wherein said labeled

    antibodies allow photometrical detection.

2. (Amended) A test system according to claim 1, wherein the labeled monoclonal

    anti-insulin or anti-C peptide antibodies are present in dried form in said reservoir.

3. (Amended) A test system according to claim 1, wherein said labeled monoclonal

    anti-insulin or anti-C peptide antibodies are labeled by a chemiluminescent label.

5. (Ameded) A method for determining insulin levels in a sample, comprising:

    adding the sample to a reservoir with monoclonal anti-insulin or anti-C

    peptide capture antibodies solidified in said reservoir;

    adding labeled monoclonal anti-insulin or anti-C peptide antibodies useful

    as a tracer;

    incubating said reservoir to produce labeled insulin complexes;

    washing said reservoir; and

detecting the labeled insulin complexes photometrically.

6. (Amended) The method of claim 5, wherein the sample is perfusion solution obtained from a pancreas removed from a body after stimulating said pancreas with an insulin-production influencing compound, preferably glucose.

Please cancel claims 9-13 without prejudice.

Please add new claims 14-18, as follows:

14. (New) A method for determining insulin levels, comprising sampling blood in a *Vena splenica* and/or *Vena porta*, comprising the steps of introducing a probe in one of said veins, sampling blood from one or more spots in said vein, and analyzing the samples according to a method comprising:

adding the sample to a reservoir with monoclonal anti-insulin or anti-C peptide capture antibodies solidified in said reservoir;

adding labeled monoclonal anti-insulin or anti-C peptide antibodies useful as a tracer;

incubating said reservoir to produce labeled insulin complexes;

washing said reservoir; and

detecting the labeled insulin complexes photometrically.

15. (New) A system according to claim 1, wherein said sample is obtained by a probe arranged to be introduced in the *Vena splenica* and/or *Vena porta*.

16. (New) A system according to claim 2, wherein said sample is obtained by a probe arranged to be introduced in the *Vena splenica* and/or *Vena porta*.

17. (New) A system according to claim 3, wherein said sample is obtained by a probe arranged to be introduced in the *Vena splenica* and/or *Vena porta*.

18. (New) A system according to claim 4, wherein said sample is obtained by a probe arranged to be introduced in the *Vena splenica* and/or *Vena porta*.